



**EBERLE**

**Optical Systems**

# Camera System



## Camera System

### Control Unit

article no. 913029

### CMOS

#### HD-Camera Head

article no. 913032

#### Zoom HD TV-adapter

f=15–36 mm

article no. 900214

#### Keyboard USB

article no. 900230

#### Keyboard USB US/EU

article no. 900313

Due to the high-resolution sensor, coupled with the specially developed image processing, it is possible, even in only dimly lit cavities, to take pictures that show natural colours and are rich in detail and in contrast.

These technical features ensure that the Full HD camera is suited for widely different applications.

### Resolution

- HDTV: 1080p
- HDTV: 1080i
- HDTV: 720p
- PAL: 576i
- NTSC: 480i

### Frequency

- Optional 50 or 60 Hz

### Outputs

- 1 x DVI
- 1 x Component (HD-RGB, -YPbPr)
- 1 x S-Video (PAL/NTSC)
- 1 x Composite (PAL/NTSC)
- 2 x Remote

### Camera head functions

- 3 programmable keys
- coupler is available with fixed focal lengths and zoom

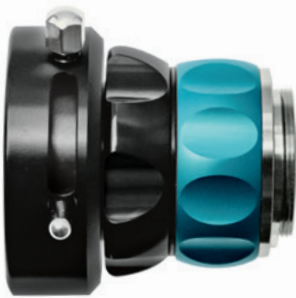
### By means of the PC keyboard it is possible to edit and show

- patient's records (up to 10 datasets)
- time and date
- stop watch



## Objective lens, standard

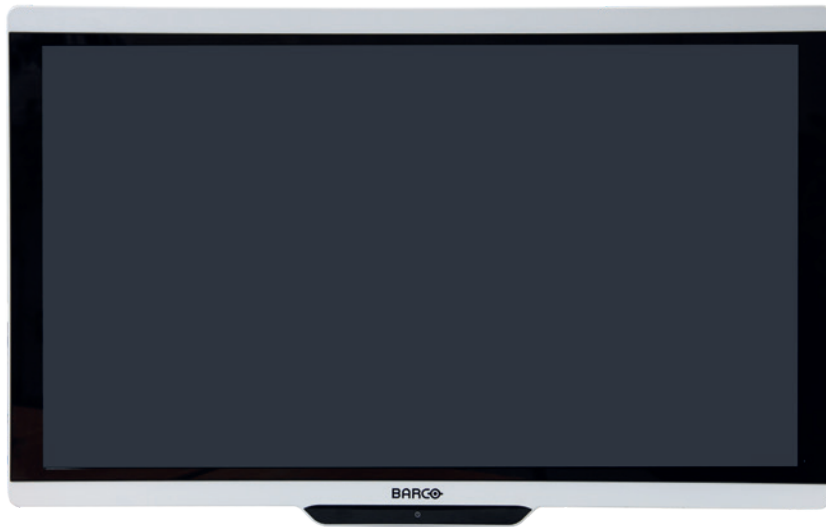
	article no.
HD TV-Adapter f=21 mm	900213
HD TV-Adapter f=18 mm	900215



## Objective lens, zoom

	article no.
Zoom HD TV-adapter f=15-36 mm	900214

## 27" UHD-LCD Monitor Barco MDSC-8427

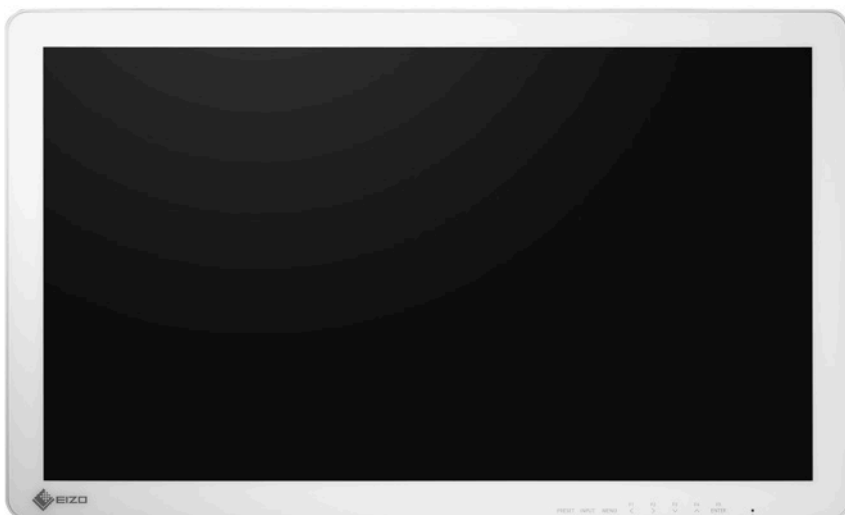


- **27" UHD-LCD-Monitor**  
article no. 900373

### UHD-LCD-Monitor

- native resolution Ultra HD (3840 x 2160)
- 1.07 billion colors
- angle of view (h/v) 178°/178°
- Upscaling
- picture-in-picture function

## 27" FHD-LCD Monitor EIZO CuratOR® EX2721



- **27" FHD-LCD-Monitor**  
article no. 900466
- ..... **Monitor stand**  
article no. 900465

### FHD-LCD-Monitor

- native resolution Full HD (1920 x 1080)
- IPS technology
- 1.07 billion colours
- angle of view (h/v) 178°/178°
- picture-in-picture/  
picture-by-picture function



	article no.
Arthroscope Ø 1.9 x 60 mm, viewing direction 30°	900309
Arthroscope Ø 2.75 x 110 mm, viewing direction 30°	900113
Arthroscope Ø 2.75 x 110 mm, repair exchange	900113R
Arthroscope Ø 4.0 x 175 mm, viewing direction 30°	900004
Arthroscope Ø 4.0 x 175 mm, repair exchange	900004R
Arthroscope Ø 4.0 x 175 mm, viewing direction 70°	900266
Arthroscope Ø 4.0 x 175 mm, repair exchange	900266R
HD Arthroscope Ø 4.0 x 175 mm, viewing direction 30°	900256
Protective tube, autoclavable	900444



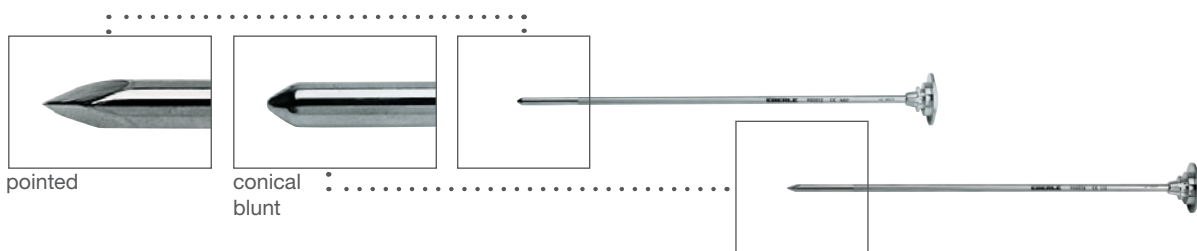
	article no.
Arthroscope sterilization basket, 290 x 80 x 52 mm	900091

## Arthroscopy Shafts



	article no.
Arthroscopy shaft with two rotatable taps, Ø 1.9 mm, 30°	900310
Arthroscopy shaft with two rotatable taps, Ø 2.7 mm	900114
Arthroscopy shaft with two rotatable taps, Ø 4.0 mm	900014
High-flow arthroscopy shaft with two rotatable taps, Ø 4.0 mm, 30°	900469
High-flow arthroscopy shaft with two rotatable taps, Ø 4.0 mm	900468
High-flow arthroscopy shaft, quick-lock, with two rotatable taps, Ø 4.0 mm	900252

## Trocar, obturator



	article no.
Obturator conic blunt, Ø 1.9 mm	900311
Trocar pointed for article no. 900114	900115
Obturator conic blunt for article no. 900114	900120
Trocar pointed for article no. 900014	900016
Obturator conic blunt for article no. 900014	900012
Trocar pointed for article no. 900252	900236
Obturator conic blunt for article no. 900252	900237
Trocar pointed for article no. 900468, 900469	900471
Obturator conic blunt for article no. 900468, 900469	900470

## Light Source LED

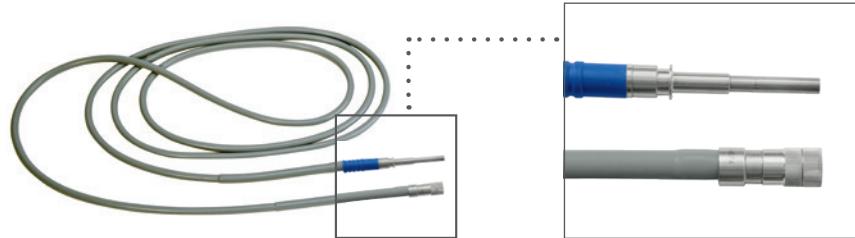


- **Light Source LED**  
article no. 913030

### Light Source LED

- high natural colour rendering with strong light intensity
- very homogeneous illumination, no edge shadowing effects or blooming
- glare shield when light conduction cable is not plugged in
- low-noise operating with minor heat development
- lifetime of bulb: approx. 30,000 hours
- setting of luminance intensity: digital in 10 steps
- light conducting cable connection: type Storz

# Light Fiber-Optic Cable



## Light Fiber-optic cable

- With adapter type Storz; other brands on request





	article no.		article no.
Ø 3.5 1800 mm	900037	Ø 4.8 1800 mm	900023
Ø 3.5 2300 mm	900038	Ø 4.8 2300 mm	900015
Ø 3.5 2500 mm	900039	Ø 4.8 2500 mm	900003
Ø 3.5 3000 mm	900040	Ø 4.8 3000 mm	900032
Ø 3.5 4000 mm	900041	Ø 4.8 3500 mm	900034
Ø 3.5 5000 mm	900042	Ø 4.8 4000 mm	900035
		Ø 4.8 5000 mm	900036

Standard colour: light grey  
 On request, the cables are also available in different colours.






# Adapter for Fiber-Optic Cables

## Light source

		article no.
	Adapter for fiber-optic cable (light source Olympus new)	900445
	Adapter for fiber-optic cable (light source Olympus-ACMI)	900233
	Adapter for fiber-optic cable (light source Wolf/Dyonics)	900211
	Adapter for fiber-optic cable (light source Storz)	900138

## Lens

		article no.
	Adapter for fiber-optic cable (lens Olympus new)	900440
	Adapter for fiber-optic cable (lens Wolf/Dyonics)	900280
	Adapter for fiber-optic cable (lens Storz)	900203

# Documentation System TEAC



## Documentation System

### UR-4MD

article no. 900255

### UR-4MD-DICOM-KEY

article no.  
900255-DICOM-Lizenz

### Keyboard USB

article no. 900230

### Keyboard USB US/EU

article no. 900313

### Footswitch for

### TEAC UR-4MD

article no. 900314

	TEAC UR-4MD
<b>Device type</b>	<b>Medical HD-recording device with integrated 500 GB hard disk</b> Recording of HD videos and freeze images. Recordings to internal hard disk, network and up to two concurrent USB sticks. Easy operation by way of the 3.5" display and the OSD. Facilitated connection due to automatic signal detection. Data loss is prevented due to memory monitoring and safe shutdown (UPS).
<b>Video inputs</b>	DVI, SDI, S-Video, composite
<b>Video outputs</b>	DVI, SDI (out/thru), S-Video, composite
<b>Image format</b>	JPG, DICOM
<b>Video format</b>	MOV (H.264 / MPEG4)
<b>Audio inputs</b>	Line In, microphone (3.5 mm jack plug)
<b>Audio outputs</b>	SDI (BNC), Line (3.5 mm jack plug)
<b>Network operation</b>	RJ45 10/100/1000 ethernet
<b>Internal memory</b>	500 GB hard disk
<b>External memory</b>	USB stick, USB hard disk; network drive
<b>Other connections</b>	2 x 3.5 mm jack plug (external trigger)
<b>Accessories (optional)</b>	keyboard, remote control, foot switch, bar code/card reader



**EBERLE GmbH & Co. KG**

Dachsteinstraße 2  
75449 Wurmberg  
Germany

Phone +49 (0) 7044 9611-288

[sales@eberle-med.com](mailto:sales@eberle-med.com)  
[www.eberle-med.com](http://www.eberle-med.com)

